

U.S Department of Energy

Strategic Area 1: EARLY LEARNING

Objective 1.1.a: Data, Funding and Programs – For this section, the Agency should identify grant opportunities, programs, or initiatives that benefit Hispanic students in early learning and/or increase the participation of Hispanic students in early care or learning programs. This may include any programs that may benefit students, teachers, parents, or the general population as a whole. In addition, report on how the Agency considers and collects demographic data on the Latino population and diversity within it (e.g. ethnic and/or gender) to create relevant funding models and policies.

Strategic Activity	Timeframe	Total	Hispanic	Funding		Performance Outcomes
		Population	Students		Point of Contact	(Goals/Objectives)
		Served	Served			
1. Get Current	Official Launch:	Young	Young		Office of Energy Efficiency	The Spanish coloring book and
Department of Energy's	December 3, 2014	Spanish-	Spanish-		and Renewable Energy	resources were announced in a
Spanish version of coloring		speaking	speaking			blog on May 4, 2015. A
book and activity book.		children	children (pre-		energyliteracy@ee.doe.gov	webpage entirely in Spanish was
		(pre-K to	K to 2 nd grade)			created to house resources for
		2 nd grade)				students and educators here:
						http://energy.gov/eere/energia
2. Energy Literacy	Official Launch:	K-12	School-aged		Office of Energy Efficiency	Videos have been viewed over
Videos in Spanish	May 2015	Spanish	Spanish		and Renewable Energy	700 times. Link below contains
		speaking	speaking			Spanish resources that have been
		children and	students in K-		energyliteracy@ee.doe.gov	viewed over 800 times.
		educators	12			http://energy.gov/eere/energia



Strategic Area 2.1: K-12 EDUCATION – STEM

Objective 2.1.a: Data, Funding and Programs – For this section, the Agency should identify grant opportunities, programs, or initiatives that benefit Hispanic students in STEM education and/or increase the participation of Hispanic students in STEM programs and education. This may include any programs that may benefit students, teachers, parents, or the general population as a whole. In addition, report on how the Agency considers and collects demographic data on the Latino population and diversity within it (e.g. ethnic and/or gender) to create relevant funding models and policies.

Strategic Activity	Timeframe	Total	Hispanic	Funding	Driver/Contact Info	Performance Outcomes
		Population Served	Students Served			
1. National Science	Annually	All students	Not	\$2,900,000	DOE Office of Science, Office of	a. Expose middle and high
Bowl	(usually in	in middle	available at	annual	Workforce Development for Teachers and	school students to STEM
	April-May	and high	this level of	appropriation	Scientists	concepts and competitions.
The DOE SC National		school are	detail.			b. Increase awareness of STEM
Science Bowl® (NSB) is		eligible to			Dr. Jim Glownia	and energy related careers and
a nationwide academic		participate in			james.glownia@science.doe.gov	activities.
competition testing		the science				
students' knowledge in all		bowl			Information and event dates:	
areas of mathematics and		competitions.			http://science.energy.gov/wdts/nsb/	
science, including energy.						
High school and middle						
school students are						
quizzed in a fast-paced,						
question and						
answer format. Since						
1991, more than 240,000						
students have participated						
in regional and national						
competitions.						
2. Minority	Annually,	Varies		Approximately,	Office of Minority Education and	1. Expose high school
Educational	as of 2004	annually		\$100,000 per	Community Development:	students to the Department
Institution Student				year		of Energy programs.
Partnership					Chester Scott	2. Begin the STEM workforce
Program (MEISPP)					Chester.Scott@hq.doe.gov	development pipeline.
High School						
component					https://www.doemeispp.org/	



			1		
3. National Annual	Annually	Sixty-three		National Renewable Energy Laboratory	"This event is doing what it's
Junior Solar		teams from		Marcus Giron	supposed to do—get students
Sprint/Lithium Ion		17 middle		Marcus.Giron@nrel.gov	excited about science and
Battery Car		schools			engineering." –Bill Farris,
Competitions		across		http://www.nrel.gov/education/	NREL Associate Lab Director.
Solar- and battery- car		Colorado			
competitions that race for					
Middle School teams					
from all around Colorado.					
Teams work together to					
build cars with guidance					
from a parent, teacher, or					
coach to compete in race					
and design categories.					
A "Spirit Award" is also					
presented to one team					
recognizing good					
sportsmanship.					
4. My Brother's	Ongoing	200+		U.S. DOE	The My Brother's Keeper
Keeper Initiative				Office of Economic Impact and Diversity	initiative, launched last year by
Day at the Lab &				Amanda Quiñones	President Barack Obama, was
Day at the Museum				Amanda.Quinones@hq.doe.gov	created to help close the
Events					opportunity gaps for boys and
				http://breakingenergy.com/2015/08/31/my-	young men of color. The
				brothers-keeper-visits-the-national-labs/	National Energy lab is the third
					national lab to host such an
					event.
					- Lawrence Livermore National
					Lab
					- Science Museum of
					Minnesota
					- National Energy Technology
					Lab



5.	STEM Mentoring	Ongoing –	300+		U.S. DOE	This program is an interagency
	Cafés	Six events			Office of Economic Impact and Diversity	effort to engage middle school
		around the			Amanda Quiñones	students in STEM and their
		country			Amanda.Quinones@hq.doe.gov	teachers with federal STEM
		beginning			STEMED@energy.gov	professionals, through speed
		May 19,				mentoring sessions and a
		2014.			http://energy.gov/diversity/stem-	commitment to ongoing
					mentoring-caf	mentoring from federal
						employees. By presenting
						federal scientists that those who
						are underrepresented in STEM
						can relate to, we aim to spark
						increased confidence for
						students to pursue STEM. The
						STEM Mentoring Café is run in
						partnership with Department of
						Education, National Girls
						Collaborative Project and the
						Association of Science-
						Technology Centers, a global
						organization supporting science
						centers and learning.

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Objective 2.1.b: Communication and Outreach – This section should include information on how the Agency conducts outreach to the Hispanic community, specifically to students, educators, institutions of higher education, and stakeholders, to make them aware of funding opportunities and activities that invest in or support STEM education. This may include grants, scholarships, and efforts to bring awareness to the Hispanic community about the benefits of STEM education.

WHITE HOUSE INITIATIVE
on Educational excellence for Hispanics

Strategic Activity	Timefram e	Total Population Served	Hispanic Students Served	Funding	Driver/Contact Info	Performance Outcomes
1. Student Tours of the Department of Energy Groups of students (K-12 or university) visit the Department of Energy to learn about available programs and activities	Year-round				Office of Minority Education and Community Development Chester Scott Chester.Scott@hq.doe.gov	Students participate in hands- on energy demonstrations and leave with an understanding of energy fundamentals.
3. Office of Science Workforce Training program briefings on program opportunities Office of Science professional staff regularly make presentations to minority serving institutions and minority representing organizations on an invitational basis. Presentations are given live or through webinar formats and provide an overview of Office of Science funded opportunities. Presentations are made	5-8 presentatio n events per year.	N/A	DOE does not obtain these statistics for webinar viewer participation.	N/A	Office of Science, Office of Workforce Development for Teachers and Scientists Dr. Jim Glownia james.glownia@science.doe.gov	Outcomes



available on the Office of				
Science website for				
further dissemination:				
http://science.energy.gov/				
wdts/outreach/#EventsPre				
<u>sentationsWebinars</u>				



Strategic Area 2.2: K-12 EDUCATION – Latino Teacher Recruitment

Objective 2.2.a: Data, Funding and Programs – For this section, the Agency should identify grant opportunities, programs, or initiatives that help recruit Hispanic students into the teaching profession and/or support the recruitment and/or retention of Hispanic teachers. In addition, report on how the Agency considers and collects demographic data on the Latino population and diversity within it (e.g. ethnic and/or gender) to create relevant funding models and policies.

Strategic Activity	Timeframe	Total Population	Hispanic Students	Funding	Driver/Contact Info	Performance Outcomes
		Served	Served			
1. Teacher Training		8 Teachers	Currently,	None	Office of Minority Education and	a. Provide elementary school
Sessions			we do not		Community Development	teachers with hands-on,
May 2014 was the first	TBD		capture			interactive demonstration
"train the teacher			ethnicity.		Chester Scott	modules to incorporate in their
workshop" and 8 teachers					Chester.Scott@hq.doe.gov	classrooms.
participated in the						b. Each teacher should train
inaugural event. The						fellow educators on how to
program was advertised						implement energy modules.
based on relationships						
established with the						
Office of the						
Superintendent of						
Washington, DC.						
(Chancellor Henderson's						
office)						
2. Teach and Learn	Ongoing	Open source			The Office of Energy Efficiency and	Present material in an easily
Resources		information-			Renewable Energy	digestible and fun format that
Free online resource for		infinite				keeps kids engaged in the
teachers and parents to		number of			http://energy.gov/eere/education/teach-	modules and curious about
engage K-12 students in		consumers			and-learn	energy.
learning activities and						
lessons on energy,						
climate, and careers						
related to energy.						
3. The Harnessed	Ongoing	Open source			The Office of Nuclear Energy	Offers teachers accurate,
Atom		information-			harnessedatom@nuclear.energy.gov	unbiased, and up-to-date



Middle school science, technology, engineering, and math	infinite number of consumers	http://energy.gov/ne/services/harnessed- atom	information on the roles that energy and nuclear science play in our lives.
(STEM) curriculum extension that focuses on nuclear science and energy			Curriculum includes essential principles and fundamental concepts of energy science.

Strategic Area 2.3: K-12 EDUCATION – Family Engagement

Objective 2.3.a: Data, Funding and Programs – For this section, the Agency should identify grant opportunities, programs, and any activities or initiatives that encourage, promote, strengthen and/or support family engagement as a strategy to increase the educational attainment and academic and professional success of all students, including Hispanic students. In addition, report on how the Agency considers and collects demographic data on the Latino population and diversity within it (e.g. ethnic and/or gender) to create relevant funding models and policies.

Strategic Activity	Timeframe	Total	Hispanic	Funding	Driver/Contact Info	Performance Outcomes
		Population	Students			
1 DOE E	This is an angains	Served	Served		Office of France Efficience	The real of this initiation is to
1. DOE Energy Literacy	This is an ongoing	The Energy	The Spanish		Office of Energy Efficiency	The goal of this initiative is to
Initiative – English	initiative.	Literacy	version of the		and Renewable Energy	develop a more energy-literate
and Spanish versions		Framework is	document was			public that is aware of the nature
of the Energy Literacy	Both versions of	intended for	created in order		energyliteracy@ee.doe.gov	and role of energy in the world
Framework	the Energy	energy	to reach a wider			and their daily lives, and can
	Literacy	educators to	audience of		http://energy.gov/eere/educa	apply this understanding to
The Energy Literacy	Framework	adapt for their	Spanish-		tion/energy-literacy-	answer questions and solve
Framework (document) was	(guiding document	students of	speakers.		essential-principles-and-	problems.
translated into Spanish in	for energy	any age (pre-	-		fundamental-concepts-	_
order to broaden the reach of	educators) are	K to			energy-education	Since June 2014, the download
these fundamental energy	available online	adulthood).				page for the Spanish version of
concepts to diverse	and in print, and	,				Energy Literacy has been visited
populations who may not	will be updated					1,500 times.
have had access to the	approximately once					
information in its original	annually.					As an announcement of the
format/language.						translated version of the
	The original					document, the Office of Energy
Over 23,000 copies of the	English version					Efficiency and Renewable Energy
English Energy Literacy	was released in					(EERE) released its first ever
Framework are in the hands	May 2012. The					Spanish and English blog post on
of educators and	first Spanish					June 8, 2014. Since then, EERE
organizations across the	version was					has written 5 other blog posts in
country. The download	released in May					Spanish and plans to continue
page has been visited over	2014.					releasing Spanish language posts.
5,000 times since May 2012.	2017.					releasing opanish language posts.



Strategic Area 2.3: K-12 EDUCATION – Family Engagement

Objective 2.3.a: Data, Funding and Programs – For this section, the Agency should identify grant opportunities, programs, and any activities or initiatives that encourage, promote, strengthen and/or support family engagement as a strategy to increase the educational attainment and academic and professional success of all students, including Hispanic students. In addition, report on how the Agency considers and collects demographic data on the Latino population and diversity within it (e.g. ethnic and/or gender) to create relevant funding models and policies.

Strategic Activity	Timeframe	Total Population Served	Hispanic Students Served	Funding	Driver/Contact Info	Performance Outcomes
1. Alfred Street Baptist	February/March	500 high school	The program	None	Office of Minority	Recruit interns for DOE intern
Church College and	of each year	students from	does not		Education and Community	programs.
Career Fair		the	capture this		Development	
		Washington,	data.			
Students from the DC		DC			Chester Scott	
Maryland and Virginia area		metropolitan			Chester.Scott@hq.doe.gov	
are eligible to participate in		area. All ethnic				
the annual event. Students		groups are				
interact with DOE		impacted				
personnel to learn about		because they				
internship and career		have an				
opportunities at DOE		opportunity to				
		meet with				
		potential				
		schools and				
		employers to				
		discuss future				
		plans.				



Strategic Area 3: POSTSECONDARY EDUCATION AND WORKFORCE DEVELOPMENT/TRAINING

<u>Objective 3.1.b:</u> Internships and Fellowships – In this section, the Agency should identify internship and fellowship opportunities available to students, including Hispanic students. The Agency may also include if it has any partnerships with other national or regional educational or Latino organizations, such as the Congressional Hispanic Caucus Institute or Hispanic Association of Colleges and Universities to offer these opportunities in an effort to increase postsecondary education and workforce training completion.

Strategic Activity	Timeframe	Total Population Served	Hispanic Students Served	Funding	Point of Contact	Performance Outcomes (Goals/Objectives)
1. Minority Educational Institution Student Partnership Program	Ongoing Internship period: May – August of each year	80	Data was not previously collected. Will begin collecting data in 2015	Stipends up to \$500 per week	Office of Minority Education and Community Development Chester Scott Chester.Scott@hq.doe.go y	The 8 or 10-week summer internship program is targeted to students attending Minority Serving Institutions. Through the program, the DOE placed 80 high school, college, and graduate students in internships in 2014 Will place 80 high school, college and graduate students in 2014. The program has placed over 400 students since its inception.
2. Mickey Leland Energy Fellowship Program 10-week summer internship program for STEM students with interest in Fossil Energy http://orise.orau.gov/mlef/	Ongoing Internship period: June – August of each year			Stipends of \$600-\$850, depending on educational attainment	Office of Fossil Energy MLEF@hq.doe.gov	The Mickey Leland Energy Fellowship (MLEF) Program provides college students with an opportunity to gain and develop research skills with the Department of Energy's Office of Fossil Energy for 10 weeks over the summer. For 20 years, this program has increased awareness of DOE research opportunities to students pursuing STEM degrees. The goal of the program is to improve opportunities for women and minority students in these fields, however, all eligible candidates are encouraged to apply.



3. Integrated University Program provides graduate-level student fellowship grants and undergraduate-level student scholarship grants to support nuclear science and engineering education and research and the training of the next generation nuclear energy workforce. http://www.energy.gov /ne/nuclear-reactor- technologies/nuclear-	Ongoing	Approximately 30 students receive a multi-year fellowship and 46 students receive a single-year scholarships in the nuclear energy field of study		Graduate fellowships are \$50,000 annually over three years with a \$5,000 summer internship at a U.S. national laboratory; \$7,500 one year scholarships	Office of Nuclear Energy Derick.ogg@nuclear.ener gy.gov	The program funds approximately 30 multi-year student fellowships and 46 single-year student scholarships in the nuclear energy field of study.
4. Science Undergraduate Laboratory Internship (SULI) Program The SULI program encourages	Annually, the program provides internship opportunities during a 10-	Over 800 students annually	Information on the participant's undergraduat e institution is collected;	\$8,300,000 annual appropriation	Office of Science, Office of Workforce Development for Teachers and Scientists Dr. Jim Glownia	SULI supports students to conduct research at a DOE laboratory under the mentorship of a DOE scientist.
undergraduate students to pursue science, technology, engineering, and mathematics (STEM) careers by providing research experiences at the Department of Energy (DOE) laboratories. Selected students participate as interns appointed at one of 17 participating DOE laboratories/facilities. They perform research under the	week summer term or one of two 16-week semester terms.		voluntary demographic information is collected. Current numbers not available.		james.glownia@science.d oe.gov http://science.energy.gov/ wdts/suli/	



Annually, the	Approximately	Information	\$1,000,000	Office of Science, Office	CCI supports faculty and students to
program	100 students	on the	annual	of Workforce	carry out technical projects at a DOE
provides	annually	participant's	appropriation	Development for	laboratory under the mentorship of a
internship		undergraduat		Teachers and Scientists	DOE scientist or engineer.
opportunities		e institution			_
during a 10-		is collected;		Dr. Jim Glownia	
week summer		voluntary		james.glownia@science.d	
term.		demographic		oe.gov	
		information			
		is collected.		http://science.energy.gov/	
		Current		wdts/cci/	
		numbers not			
		available.			
Annually, the	Approximately	Information	\$1,700,000	Office of Science, Office	VFP provides support for faculty and
program	70 faculty	on the	annual	of Workforce	students conducting research at a
provides	members and	participant's	appropriation	Development for	DOE laboratory under the
internship	35 students	undergraduat		Teachers and Scientists	mentorship of a DOE scientist.
opportunities	annually	e institution			
during a 10-		is collected;		Dr. Jim Glownia	
week summer		voluntary		james.glownia@science.d	
term.		demographic		oe.gov	
		information			
		is collected.		http://science.energy.gov/	
		Current		wdts/vfp/	
				I	l
		numbers not			
		numbers not available.			
	program provides internship opportunities during a 10- week summer term. Annually, the program provides internship opportunities during a 10- week summer	program provides internship opportunities during a 10- week summer term. Annually, the program provides internship opportunities during a 10- week summer Approximately 70 faculty members and 35 students annually	program provides internship opportunities during a 10- week summer term. Annually, the program provides internship opportunities during a 10- week summer term. Approximately provides internship opportunities during a 10- week summer term. Approximately 70 faculty members and internship opportunities during a 10- week summer term. Approximately 70 faculty members and 35 students annually Information on the participant's undergraduat e institution on the participant's voluntary demographic information is collected; voluntary demographic information is collected. Current	program provides internship opportunities during a 10-week summer term. Annually, the program provides internship opportunities during a 10-week summer term. Annually, the program provides internship opportunities during a 10-week summer term. Annually, the program provides internship opportunities during a 10-week summer term. Annually, the program provides internship opportunities during a 10-week summer term. Annually, the program provides internship opportunities during a 10-week summer term. Annually, the program provides internship opportunities during a 10-week summer term. Annually is collected. Current internship opportunities during a 10-week summer term. Annually is collected. Current internship on the participant's undergraduat e institution is collected; voluntary demographic information is collected. Current	program provides internship opportunities during a 10-week summer term. Annually, the program provides internship opportunities during a 10-week summer term. Annually, the program provides internship opportunities during a 10-week summer term. Annually, the program provides internship opportunities during a 10-week summer term. Annually, the program provides internship opportunities during a 10-week summer term. Annually the program provides internship opportunities during a 10-week summer term. Annually the program provides internship opportunities during a 10-week summer term. Annually the program provides internship opportunities during a 10-week summer term. Approximately 70 faculty members and 35 students annually Approximately 70 faculty members and 35 students annually members and 35 students annually members and 35 students annually memb

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member participants may invite up to two students (one of which may be a graduate student) to participate in the research project.						
7. DOE Scholars Program	Ongoing (summer internships available May – Aug)			\$600 per week depending on education	http://energy.gov/jobs/ser vices/students-recent- graduates/stipend-based- internships http://orise.orau.gov/does cholars/	The program introduces students and recent graduates to DOE's mission and operations. These volunteer internships provide opportunities for students to learn through direct experience working with EERE in the field of energy efficiency and renewable energy to complement their academic endeavors.
8. The Office of Energy Efficiency and Renewable Energy (EERE) Student Volunteer Internship Program (SVIP) Intern placement opportunities are at Washington, D.C., headquarters (HQ) office and the Golden Service Center (GCS) within the Golden Field Office at Golden, Colorado.	Year round opportunities	Open to all U.S. citizen students enrolled in high school, trade school, technical or vocational institute, junior college, college, university, or comparable recognized educational institution.	Approximatel y 30% of summer 2014 intern placement	Local transportation subsidy.	Energy Efficiency and Renewable Energy/Workforce Management Office http://www.energy.gov/ee re/student-volunteer- internship-program-svip Othalene.lawrence@ee.do e.gov	SVIP provides opportunities for students to learn through experience working directly with energy experts and professionals, to complement their academic endeavors. Through the internship program, students are provided with the ability to obtain on the job Federal Government experience that equips students with skills to effectively compete for employment positions, other fellowships, internships, and scholarship opportunities. The internship program also offers professional networking opportunities with experts within the energy community on a local, national and global level.

<u>Objective 3.1.c:</u> Workforce Diversity – In this section, the Agency should include any activities, investments, outreach and/or recruiting programs intended to diversify the Agency's workforce, including activities, investments, outreach and/or recruiting programs designed to create awareness of professional opportunities and increase the recruitment and hiring of Hispanics.



Strategic Activity	Timeframe	Total Population	Hispanic Students	Funding	Driver/Contact Info	Performance Outcomes
		Served	Served			
1. Minorities in Energy	Launched				Office of Economic Impact	MIE Initiative seeks to empower,
Initiative (MIE)	September 2013				and Diversity	equip, and prepare businesses,
Initiative links together					diversity@energy.gov	communities, schools, and
academia, industry,						individuals to benefit from the
government, and nonprofits to						technical, procurement,
discuss the economic impact,						engagement, workforce, and
challenges, and opportunities						energy literacy resources of the
in the energy sector for						Department of Energy and the
minorities and underserved						energy sector overall.
communities						
http://energy.gov/diversity/ser						
vices/minorities-energy-						
<u>initiative</u>						
2. HC Recruitment	Ongoing		Specific		Corporate Recruitment and	The Corporate Recruitment and
Activities			demographic		Outreach Division	Outreach Division attend
The Corporate Recruitment			information at			recruitment events targeted at a
and Outreach Office has			the event was		Rauland Sharp	diverse group of candidates.
worked with organizations to			not captured.		Rauland.Sharp@hq.doe.gov	advertised current vacancies at
provide outreach services			We cannot			these fairs in hopes of filling
across DOE. Additionally, the			provide an			vacancies. Some positions in high
Corporate Recruitment and			exact number.			demand, like contract specialists,
Outreach Division has						can be filled via the direct hire
attended over 20 events						process.
nationally, to include:						
professional organization						All events had some Hispanic
career fairs, college career						attendee representation. Our office
fairs, and university visits.						attended a number of Hispanic
						targeted events to include: DOE's
						My Brother's Keeper White House
						visit, the National Society of
						Hispanic MBA's DC Chapter
						Career Fair.